

# Advanced Climate Variability & Change Residence Training Course

2016

Time	Aug 30	Aug 31	Sep 1
8:00 am – Noon CT	<b>Overview/Introduction</b> (8 – 8:15 min) <i>Marina Timofeyeva (CSB)</i>	<b>Recalibration Utility in CPC Operations</b> (8 – 9 am) <b>Dan Collins (CPC)</b>	<b>Drought Operations lecture</b> (8-9) - Ray Wolf (NWS) Science behind drought, drought assessment tools, and developing a local drought program.
	<b>Weather Models/ Climate Models Overview</b> (8:15– 9:15 am) <i>Rick Thoman (NWS AR)</i>	<b>Understanding CPC forecasting tools, NMME, Tropical tools, etc.</b> (9-10) <b>Dan Collins (CPC)</b>	
	<b>Models used in Climate Change Research</b> (9:30 – 10:30 am) - <i>Keith Dixon (OAR GFDL)</i>	<b>Mitigation/Adaptation</b> (10:15-11 am) - <i>Marina Timofeyeva (CSB)</i>	<b>Local Climate Variability and Change Analysis</b> (9:15 -10:15)- <i>Rick Thoman (NWS AR)</i>
	<b>Climate Assessments, Predictions &amp; Projections</b> (10:45 – 11:45 am) <i>Keith Dixon (OAR GFDL)</i>	<b>Science to Stakeholders: Climate Assessments, Predictions &amp; Projections</b> 11-12) <i>Facilitated Discussion in small groups (all instructors)</i>	<b>Local Climate Studies Tools/LCAT lecture &amp; lab</b> (10:30 - 12) – <i>Marina Timofeyeva (CSB)</i> <i>Local studies of climate variability and climate change impacts</i>
Noon CT	<b>Lunch</b>	<b>Working Lunch in the Classroom</b>	<b>Lunch</b>
1:00 pm CT	<b>Regional Downscaling Science</b> (1-2) – <i>John Walsh (remotely from UoA)</i>	<b>Attribution of Extreme Hydrometeorological Events</b> (1 – 2 pm) - <i>Stephanie Herring (NESDIS NCEI, remotely)</i>	<b>Intro to Reanalysis Data and Application to Local Climate Studies</b> (1-1:45) <b>Ray Wolf</b>
	<b>Climate Variability Models / CFS</b> (2:15 – 3:15) <i>Dan Collins (CPC)</i>	<b>Attribution in the Field Context</b> (2:15-3:45) <i>Ray Wolf (NWS CR)</i>	<b>Climate DSS</b> (2-3) <i>How to provide climate DSS – Ray Wolf (NWS CRH), Rick Thoman (NWS AR)</i>
	<b>Lab: Use &amp; Applications of Climate Forecasting System and Other Tools</b> (3:30 -5) – <i>Dan Collins (CPC)</i> <i>Part 1-Where to access CFS data</i> <i>Part 2-Interpretation,</i> <i>Part 3- Applications (ENSO plumes, tools, CFS ensemble)</i>		<b>Climate DSS</b> (3:15-4:15) <i>Facilitated Discussion in small groups (all instructors)</i>
			<b>Regional Case Studies Linkages b/w climatic signals and extreme hydro-meteorological events</b> (4 -5 pm) <i>Facilitated Discussion in small groups (all instructors)</i>
			<b>Course Wrap-Up</b> (4:45 - 5) - <i>Marina Timofeyeva (CSB)</i>
5:00 pm CT	<b>End of Day 1</b>	<b>End of Day 2</b>	<b>End of Course</b>
Format	Lecture	Discussion	Lab